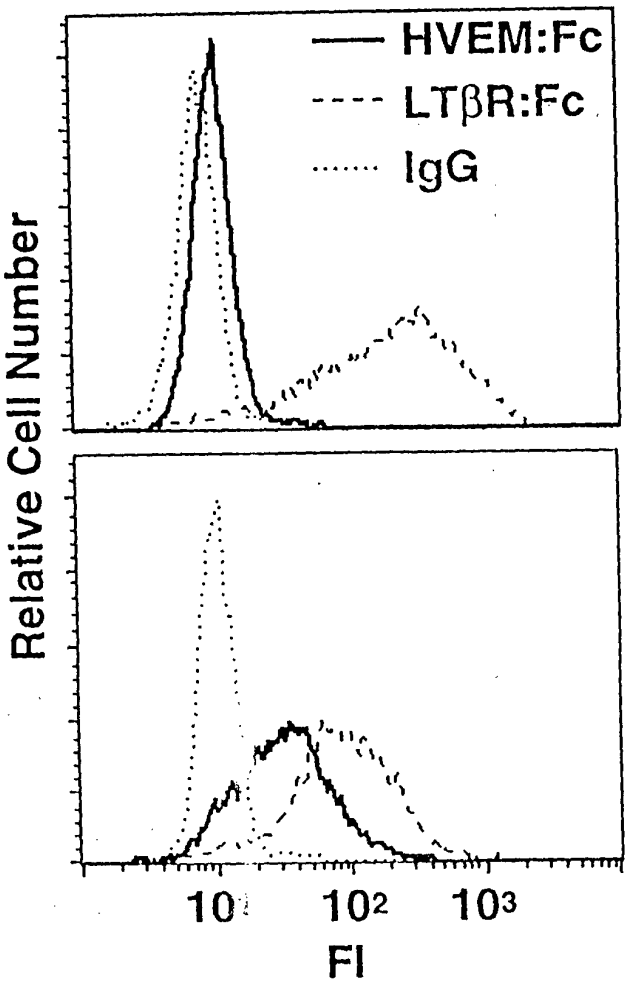


Fig. 1A

Figure 1A

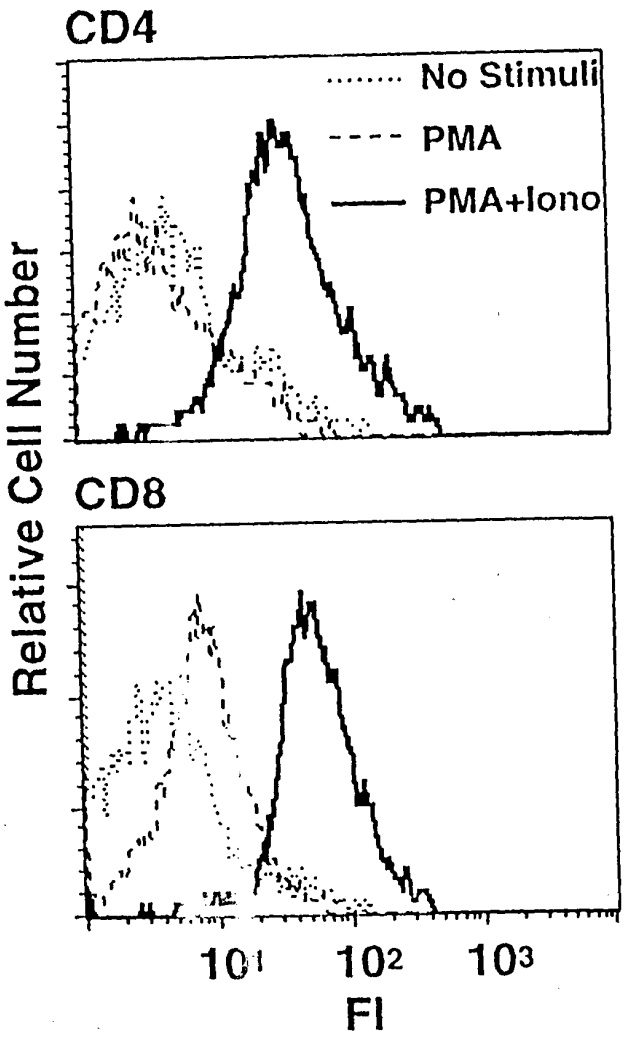


Fig 1B

Figure 1B

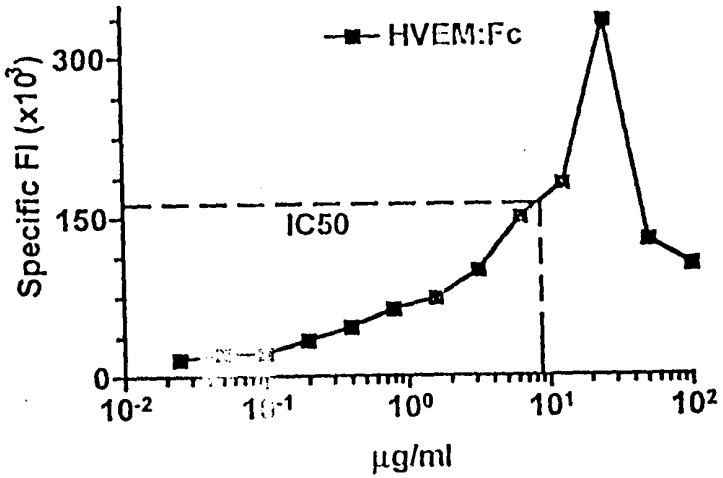
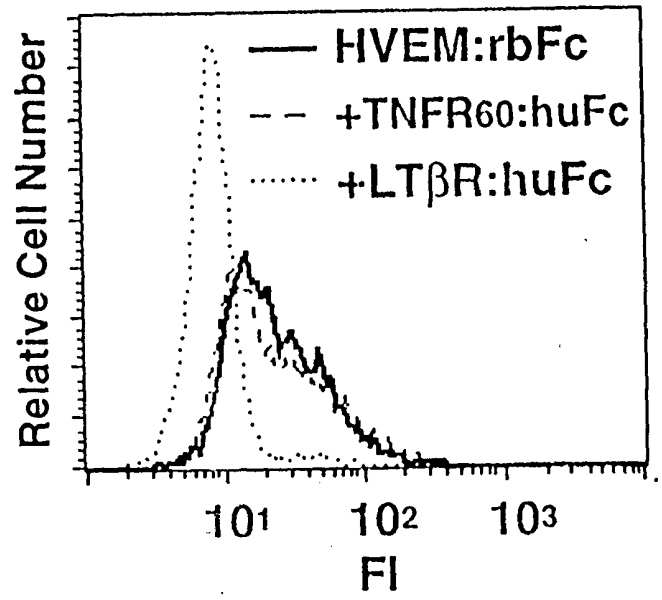


Figure 1C

Fig 1C



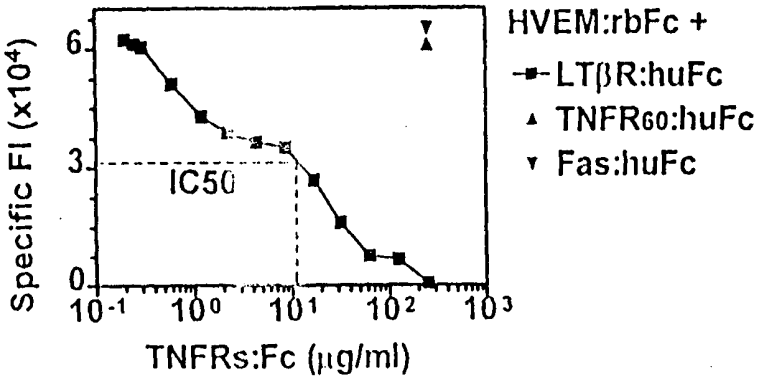


Figure 2A

Fig 2A

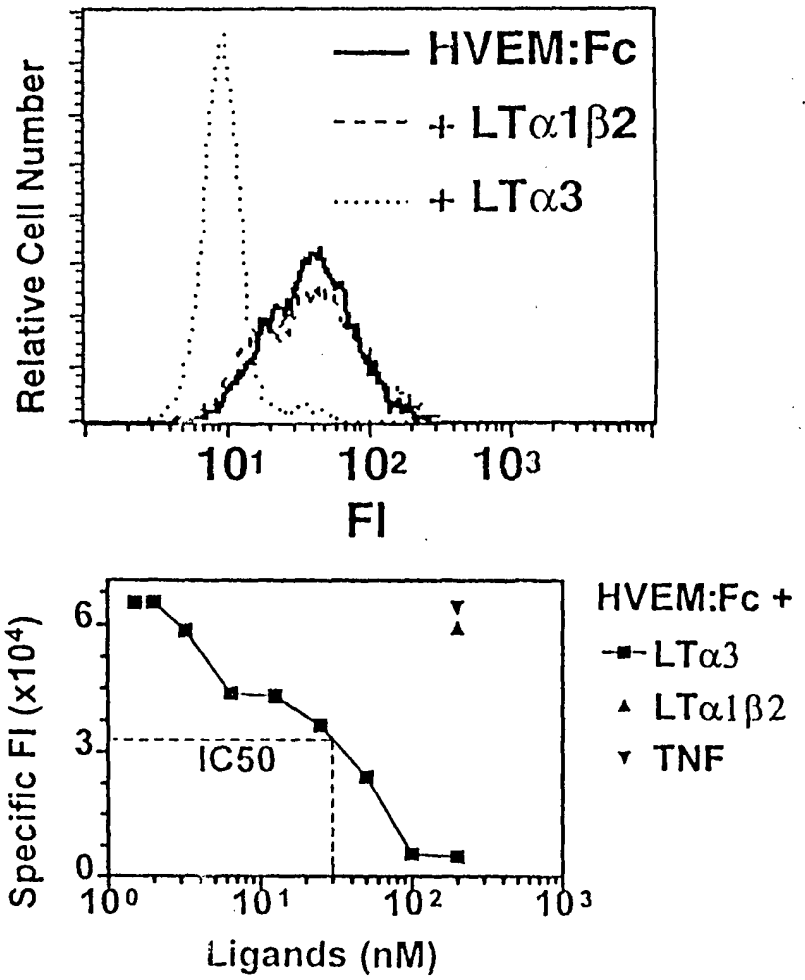


Figure 2B

Fig 2B

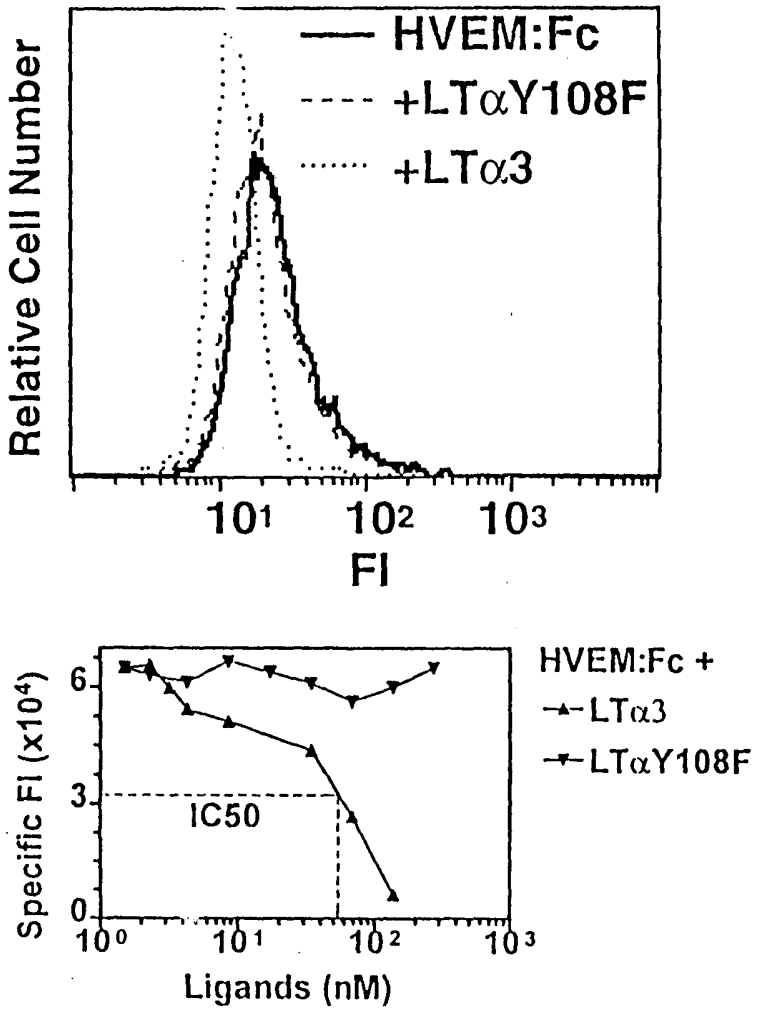


Figure 3

Fig 3

Figure 4A

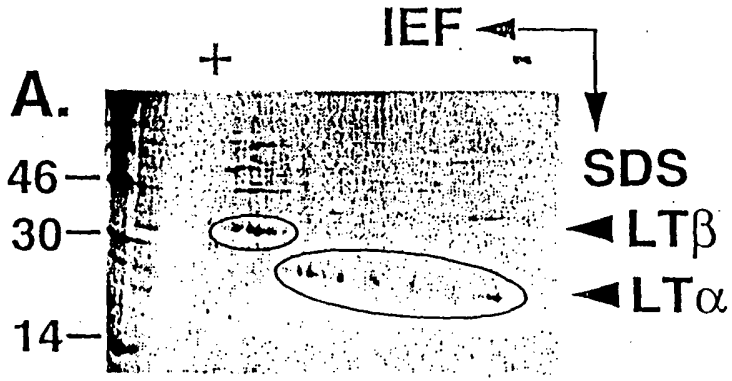


Figure 4B

Figure 4C

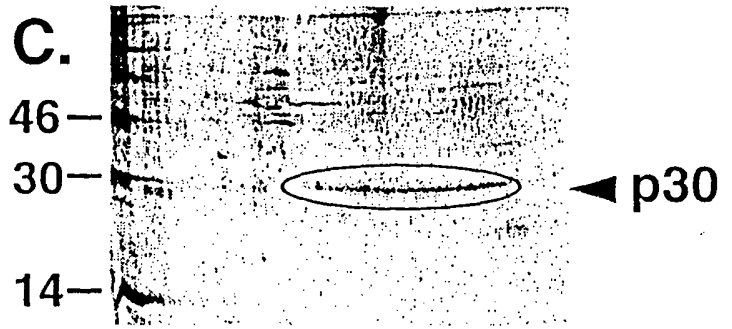
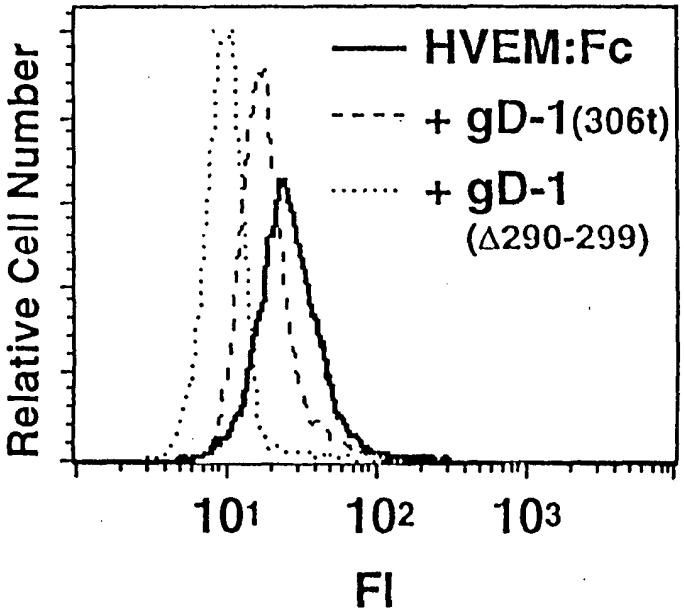


Fig 4



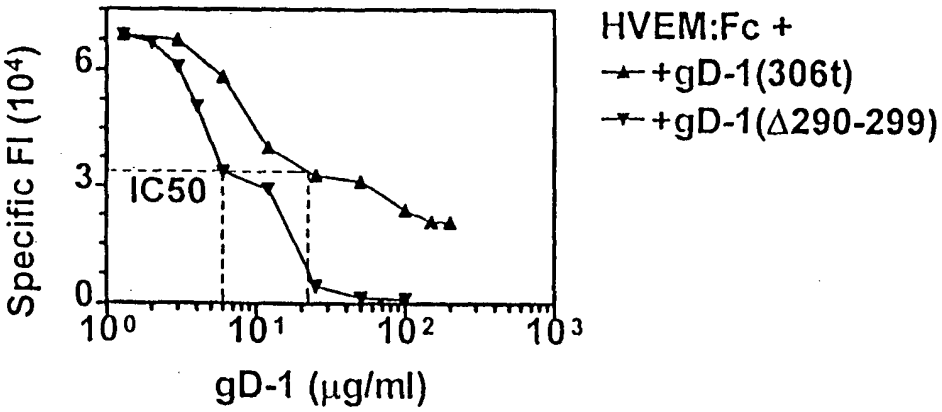


Figure 5

Fig 5

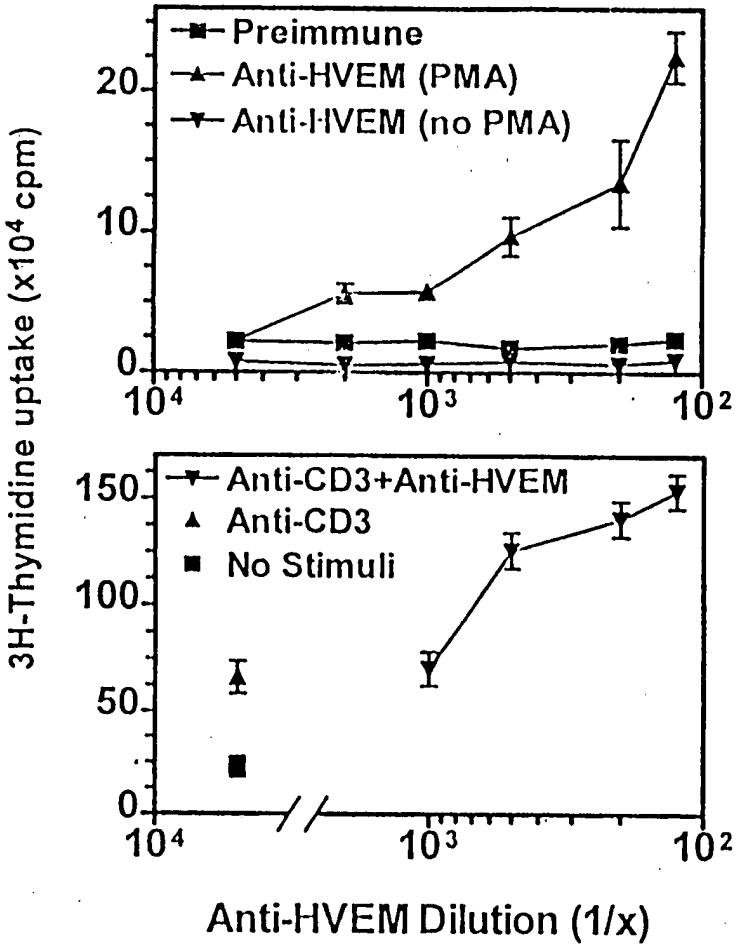


Figure 6

Fig 6

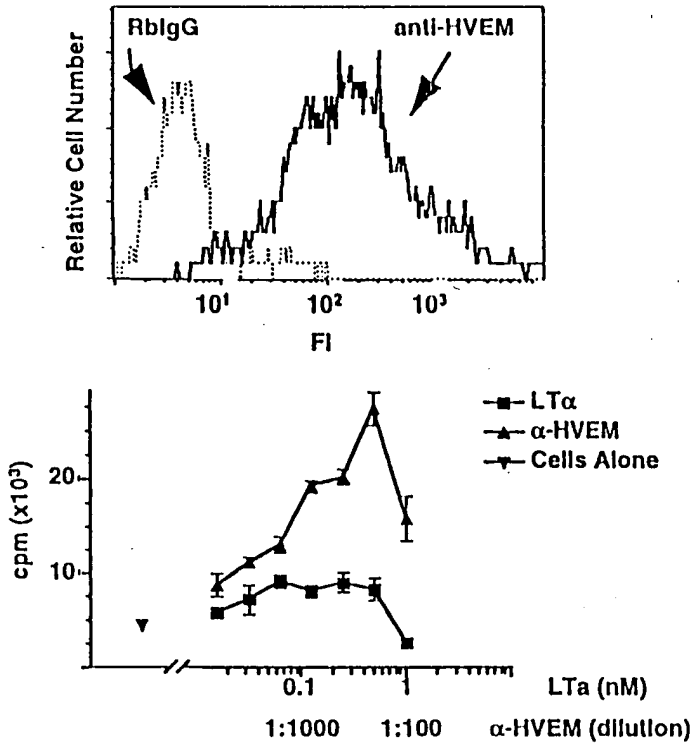


Figure 7

Fig 7

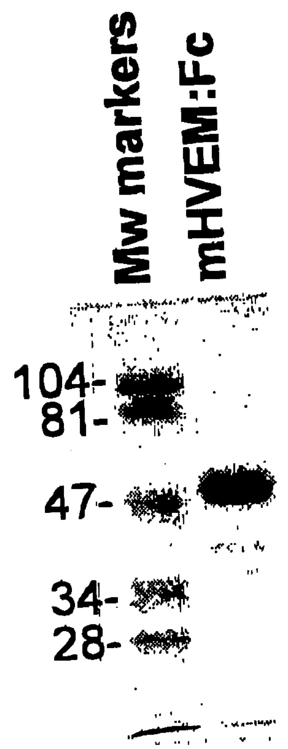


FIG 8

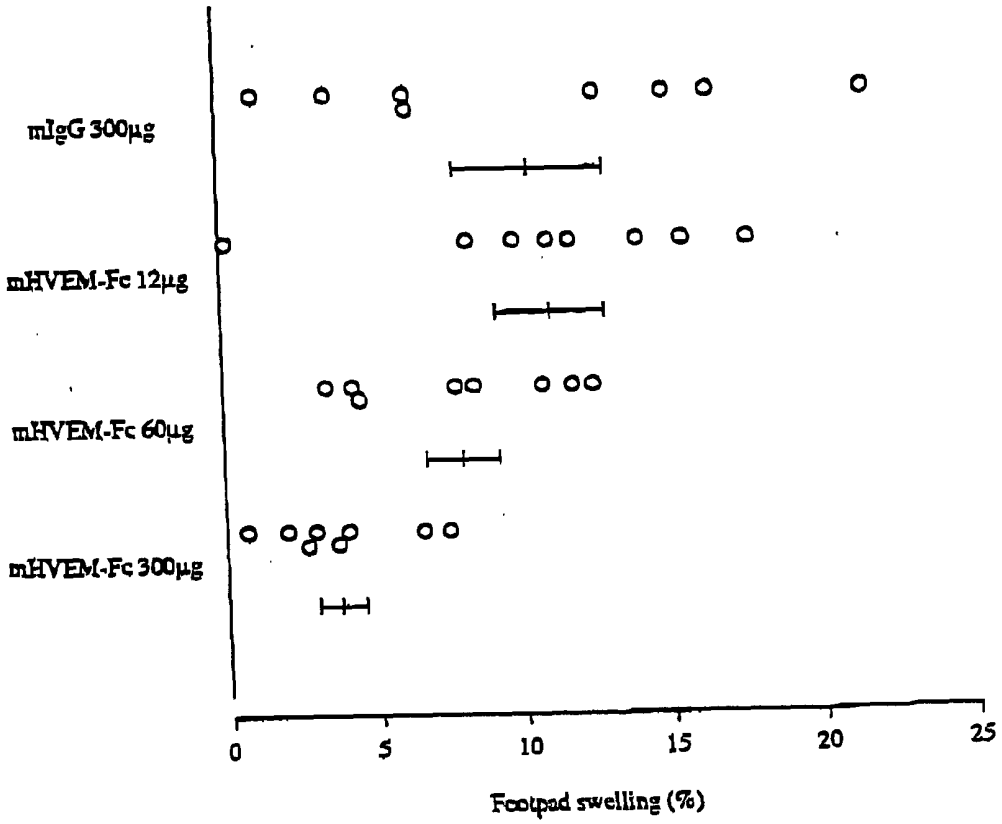

mIgG 300µg
mHVEM-Fc 12µg
mHVEM-Fc 60µg
mHVEM-Fc 300µg
0
5
10
15
20
25
Footpad swelling (%)

FIG 9

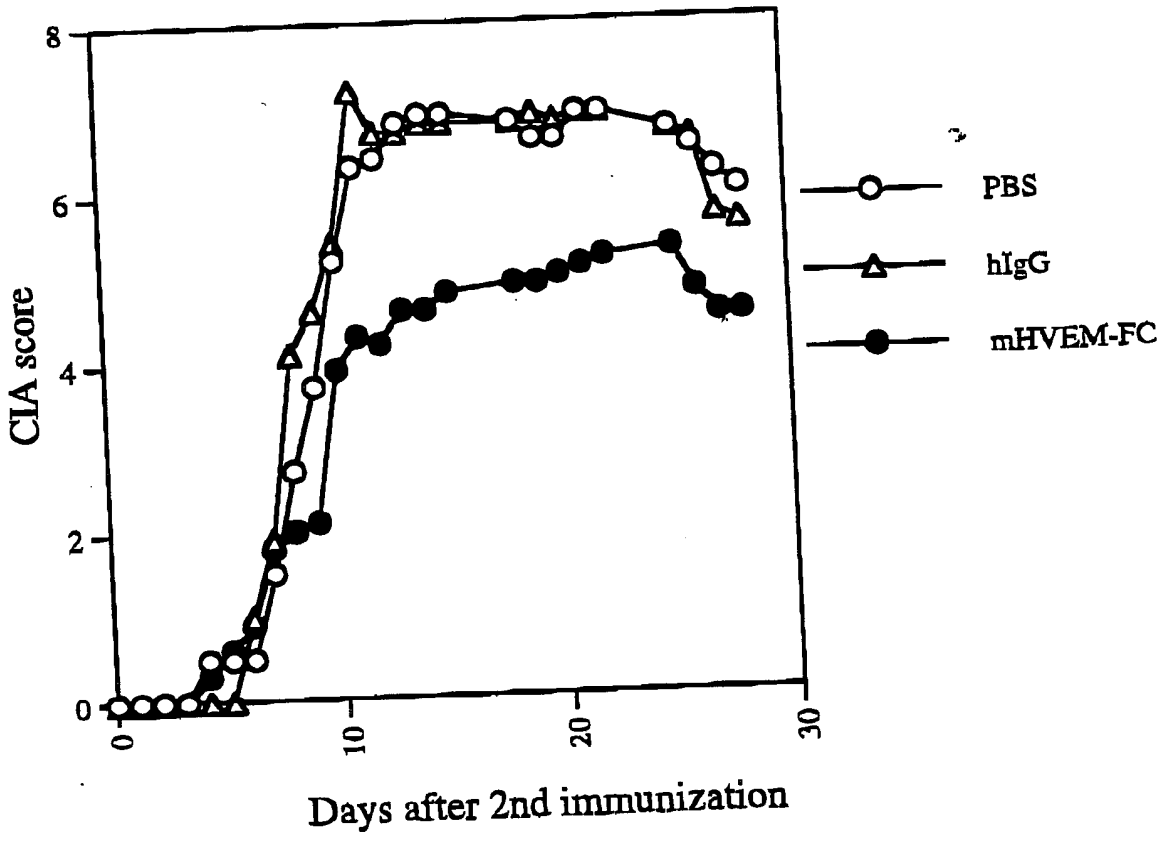

8
6
4
2
0
CIA score
0
10
20
30
Days after 2nd immunization
PBS
hIgG
mHVEM-FC

FIG 10

FIG. 11

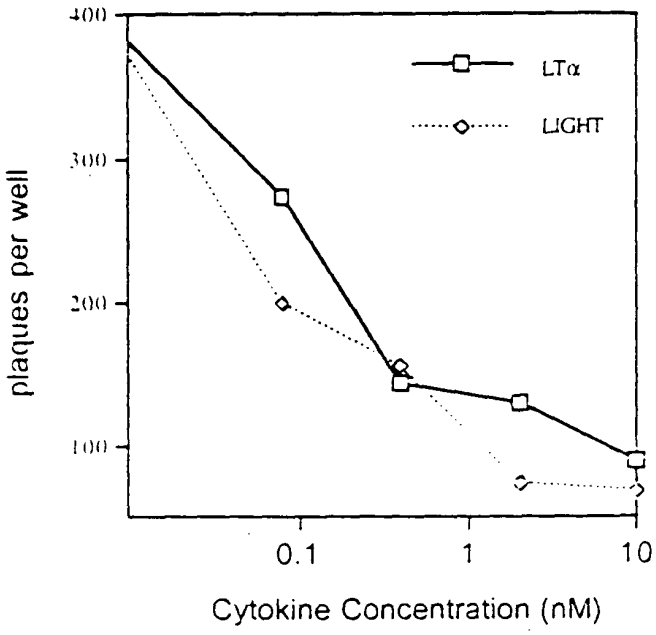

400
300
200
100
plaques per well
LTα
LIGHT
0.1
1
10
Cytokine Concentration (nM)

Fig 12

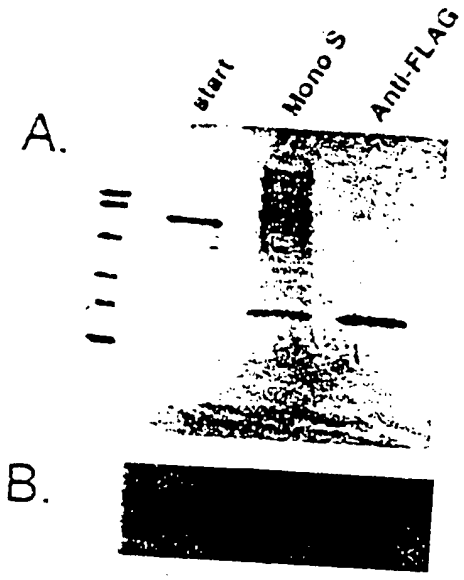


Fig. 13

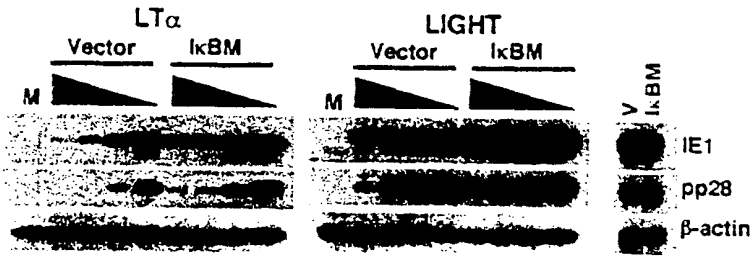


FIG 14

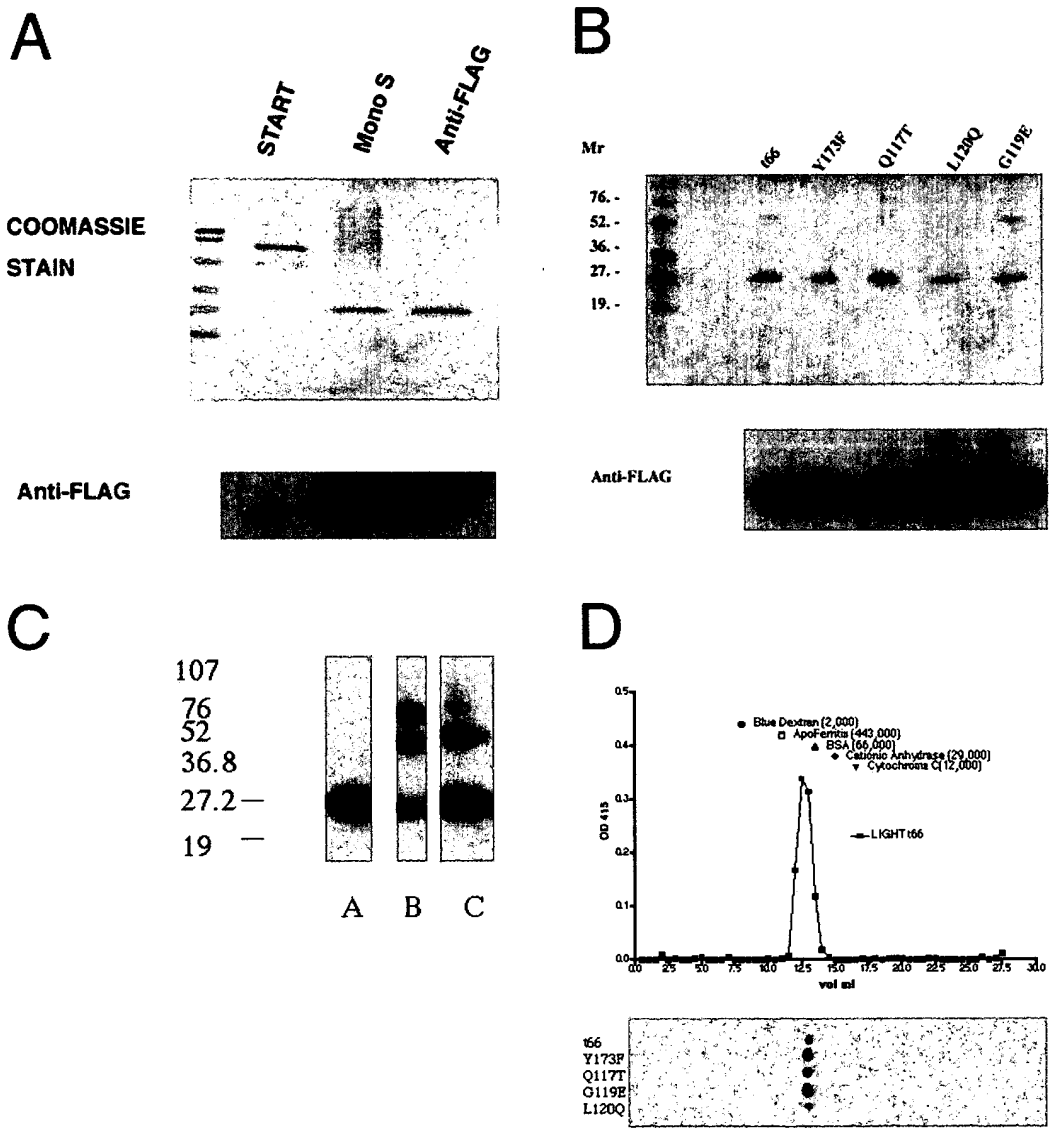

A
START
Mono S
Anti-FLAG
COOMASSIE
STAIN
Anti-FLAG
B
Mr
t66
Y173F
Q117T
L120Q
G119E
76. -
52. -
36. -
27. -
19. -
Anti-FLAG
C
107
76
52
36.8
27.2
19
A
B
C
D
Blue Dextran (2,000)
ApoFerritin (443,000)
BSA (66,000)
Carbonic Anhydrase (29,000)
Cytochrome C (12,000)
LIGHT t66
OD 415
vol ml
t66
Y173F
Q117T
G119E
L120Q

FIG 15

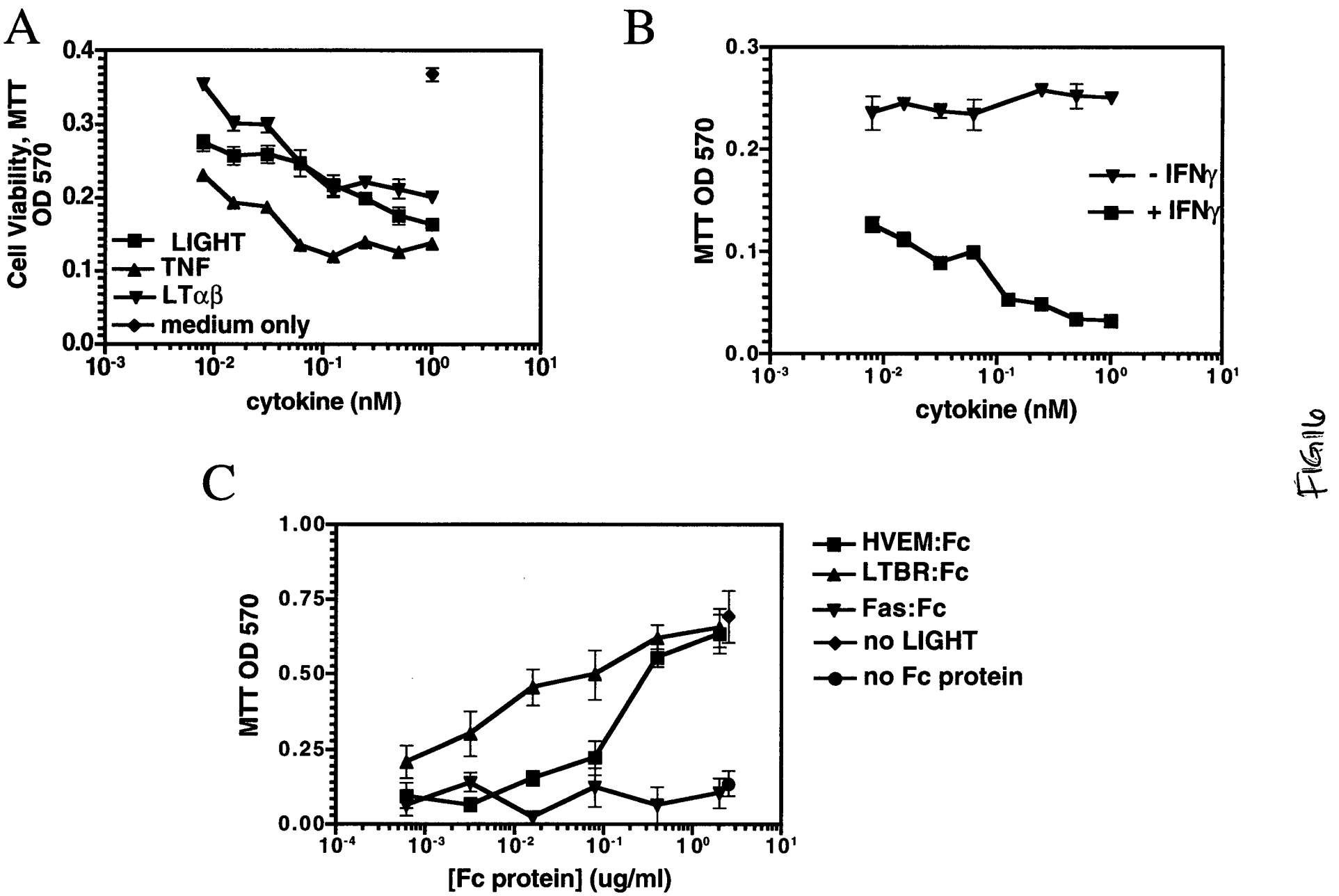
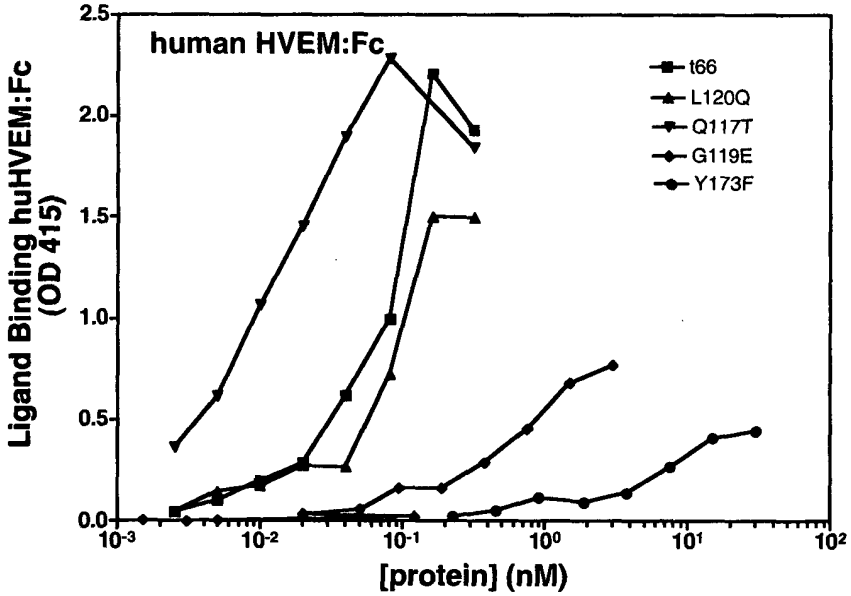
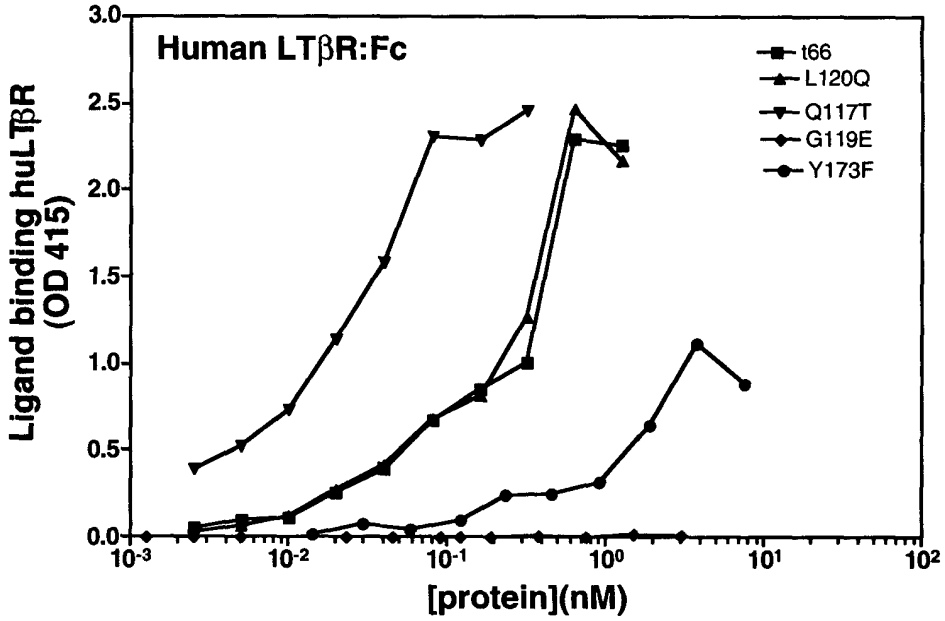
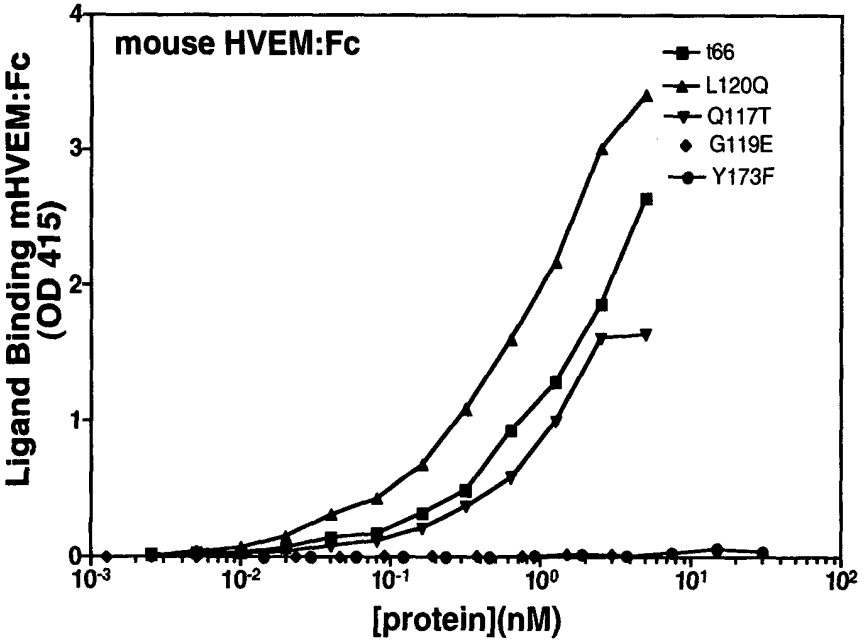

A
Cell Viability, MTT OD 570
0.4
0.3
0.2
0.1
0.0
LIGHT
TNF
LTαβ
medium only
10-3
10-2
10-1
100
101
cytokine (nM)
B
MTT OD 570
0.3
0.2
0.1
0.0
- IFNγ
+ IFNγ
10-3
10-2
10-1
100
101
cytokine (nM)
C
MTT OD 570
1.00
0.75
0.50
0.25
0.00
HVEM:Fc
LTBR:Fc
Fas:Fc
no LIGHT
no Fc protein
10-4
10-3
10-2
10-1
100
101
[Fc protein] (ug/ml)

Fig 16


human HVEM:Fc
t66
L120Q
Q117T
G119E
Y173F
Ligand Binding huHVEM:Fc (OD 415)
[protein] (nM)


Human LTβR:Fc
t66
L120Q
Q117T
G119E
Y173F
Ligand binding huLTβR (OD 415)
[protein](nM)


mouse HVEM:Fc
t66
L120Q
Q117T
G119E
Y173F
Ligand Binding mHVEM:Fc (OD 415)
[protein](nM)

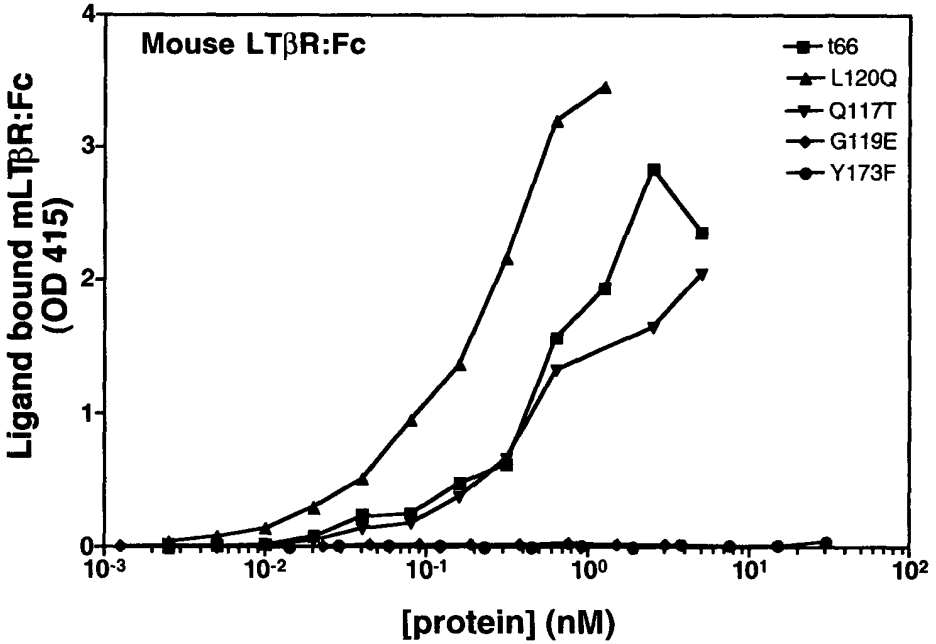

Mouse LTβR:Fc
t66
L120Q
Q117T
G119E
Y173F
Ligand bound mLTβR:Fc (OD 415)
[protein] (nM)

Fig 17

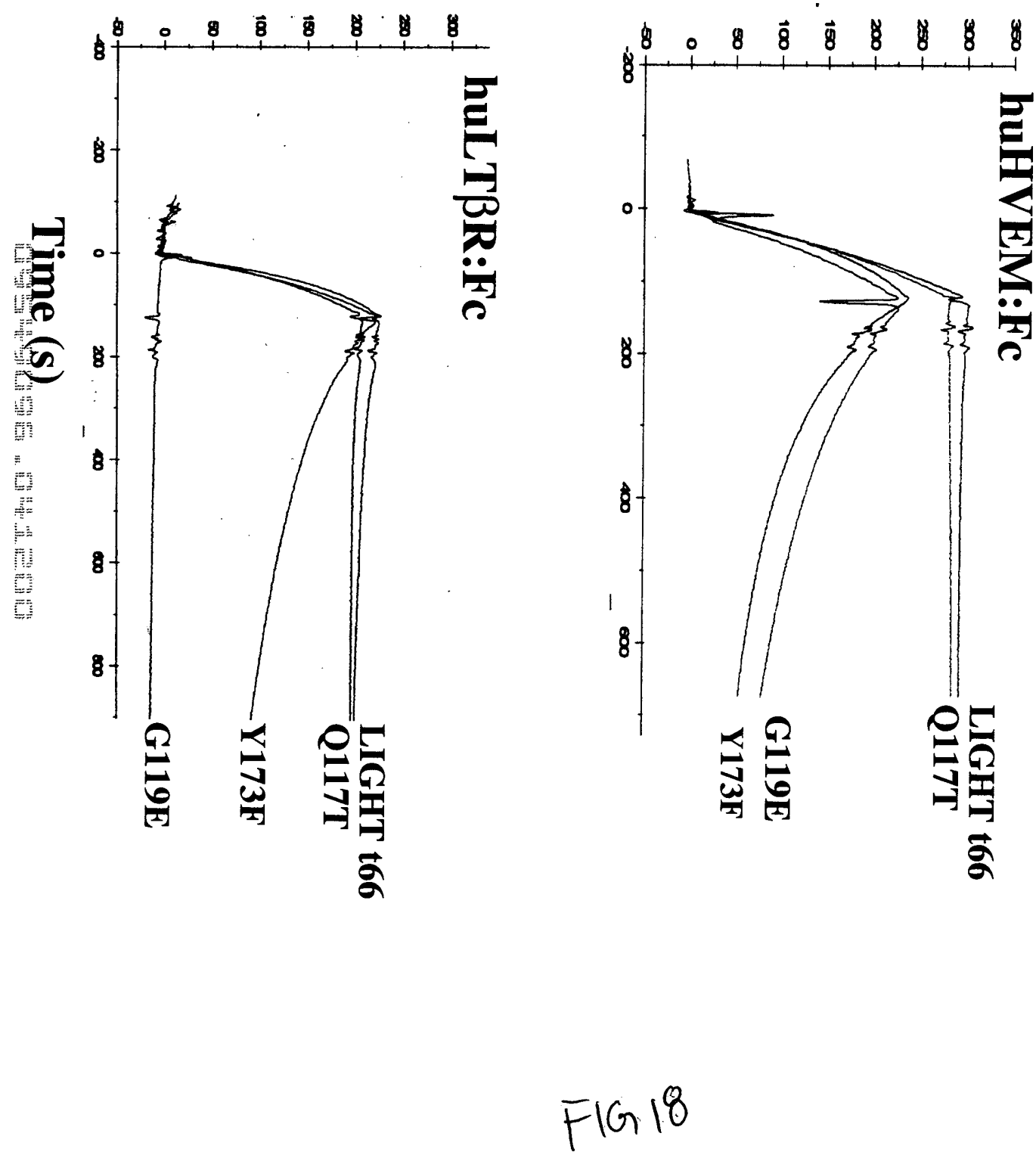

Relative Response
huHVEM:Fc
LIGHT t66
Q117T
G119E
Y173F
huLTβR:Fc
LIGHT t66
Q117T
Y173F
G119E
Time (s)

FIG 18

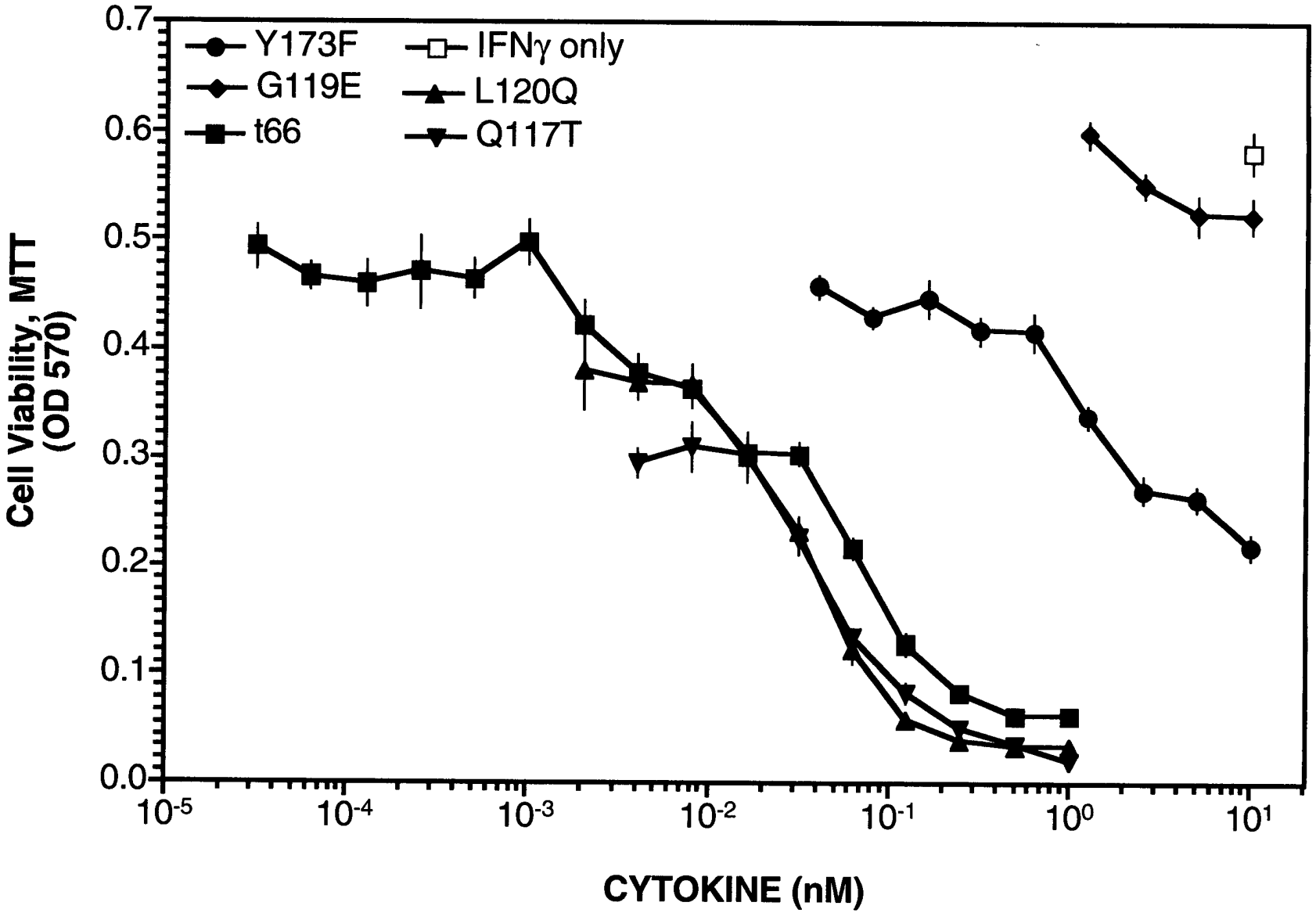


Fig 9

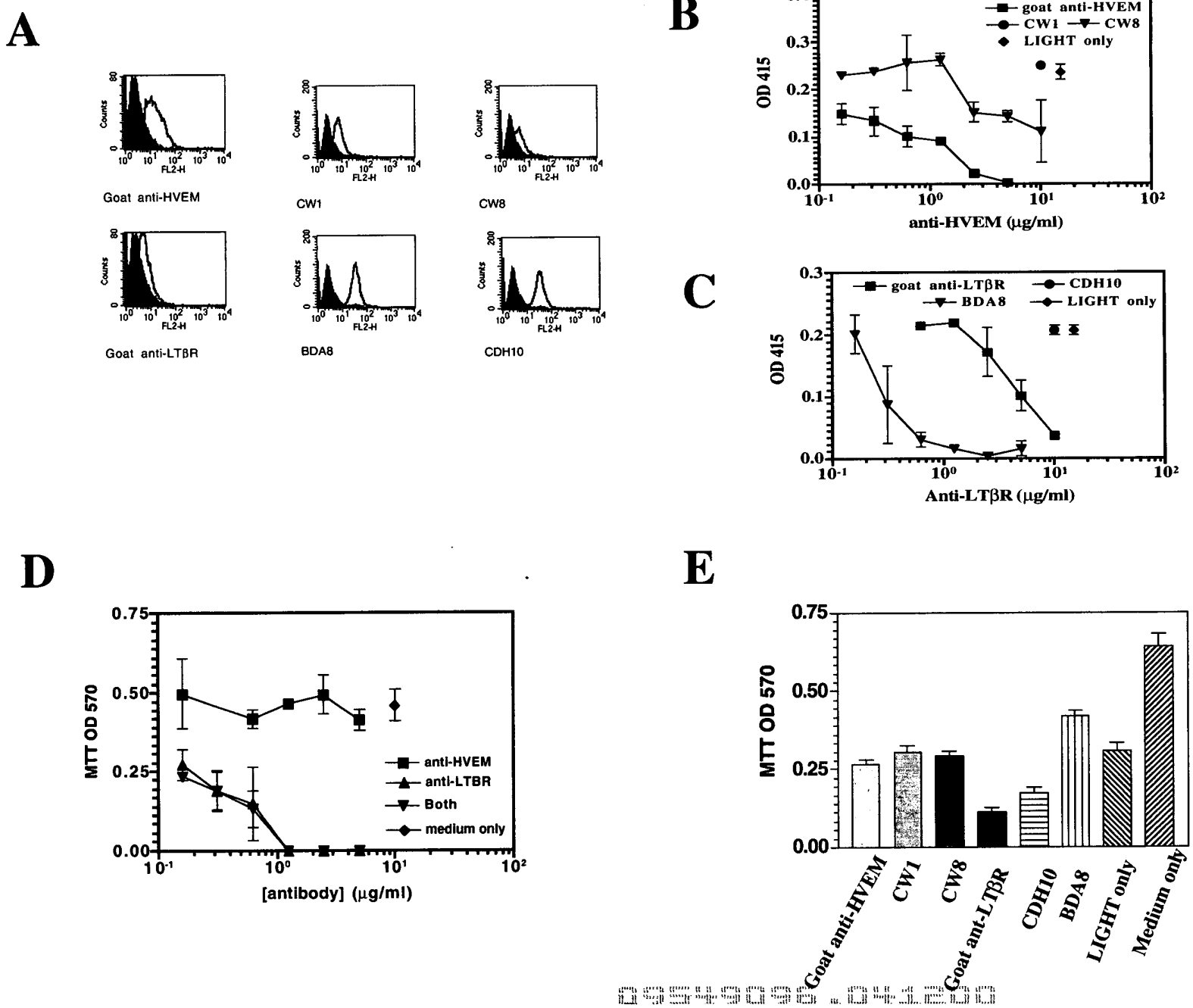

A
Goat anti-HVEM
CW1
CW8
Goat anti-LTβR
BDA8
CDH10
Counts
FL2-H
B
goat anti-HVEM
CW1
CW8
LIGHT only
OD 415
anti-HVEM (μg/ml)
C
goat anti-LTβR
CDH10
BDA8
LIGHT only
OD 415
Anti-LTβR (μg/ml)
D
MTT OD 570
anti-HVEM
anti-LTBR
Both
medium only
[antibody] (μg/ml)
E
MTT OD 570
Goat anti-HVEM
CW1
CW8
Goat ant-LTβR
CDH10
BDA8
LIGHT only
Medium only

Fig. 20

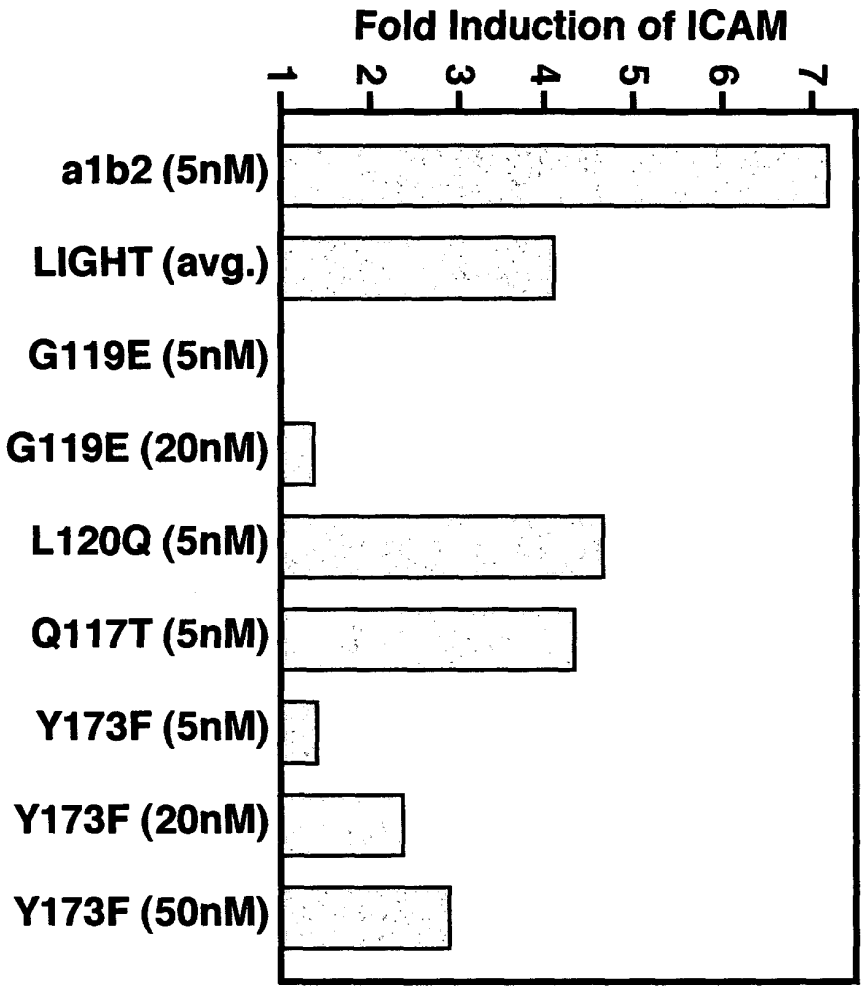

Fold Induction of ICAM
1
2
3
4
5
6
7
a1b2 (5nM)
LIGHT (avg.)
G119E (5nM)
G119E (20nM)
L120Q (5nM)
Q117T (5nM)
Y173F (5nM)
Y173F (20nM)
Y173F (50nM)

FIG 21

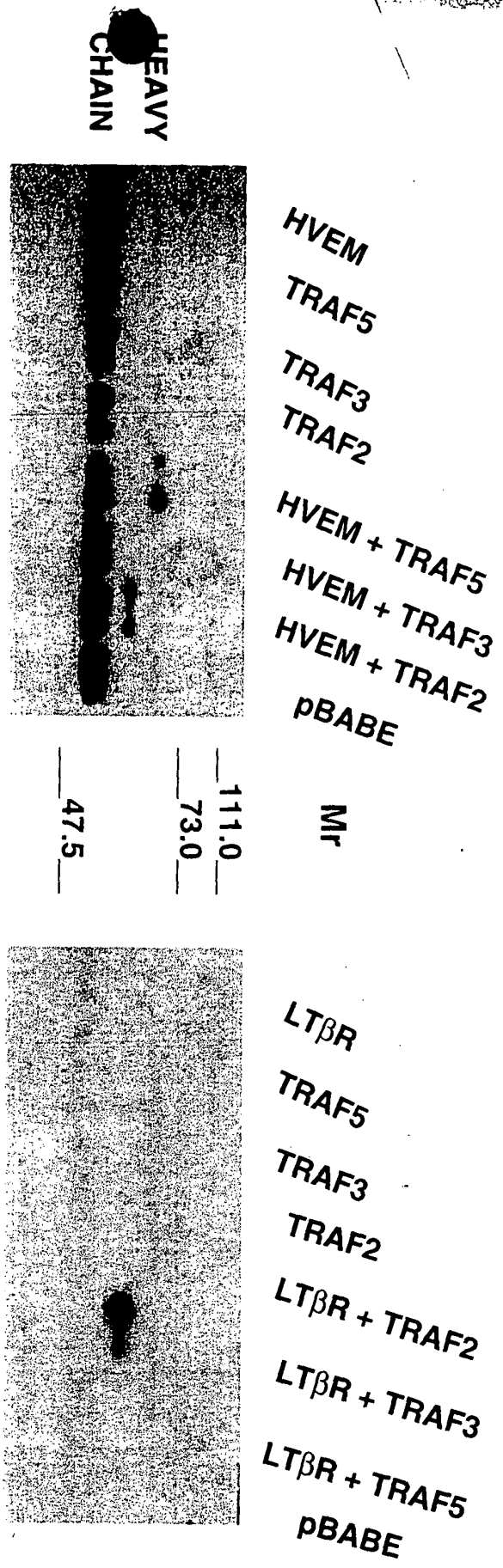


Fig 22A

Fig 22B

FIG 22